

ADVANCED ENVIRONMENTAL SERVICES, INC.  
1112 CHARLESTON CT.  
KELLER, TEXAS 76248  
(817) 379-6968 / FAX (817) 337-0615  
e-mail: aesi1@airmail.net

ADVANCED  
ENVIRONMENTAL  
SERVICES, INC.

# E-Fax

<b>To:</b> K. Davis / M. Smith – NAVSEA EHS	<b>From:</b> David O. Anderson, PhD, CIH, CSP, QEP
<b>Fax:</b> (202) 781-4513	<b>Pages:</b> 1
<b>Phone:</b> (202) 781-2273	<b>Date:</b> April 3, 2002
<b>Re:</b> Building 197 (Preliminary Report)	<b>CC:</b> Bill Tassias - CSC

AESI was informed on April 1 of some recently discovered visible mold found on the first floor, West side, Building 197. AESI visited the location, performed a visual inspection and moisture checks, and collection of samples. The samples were sent via Fed Ex to the same outside, Certified lab as used previously. The preliminary sample results have been received via fax.

A total of eight (8) samples were collected, four (4) swabs, three (3) Air-O-Cell samples and one (1) bulk sample. The area of concern was the space on the West side of the First Floor. ***Stachybotrys* has been identified in the bulk sample, on three (3) swab samples, and in the air.**

#### SWAB SAMPLE RESULTS:

Sample One was collected on the South Wall by 1W1601 South. The results indicated 14,306,000 Counts per Swab – 96 % (13,800,000 Counts) was *Aspergillus / Penicillium*-like, and 4 % (506,000 Counts) was *Arthrinium*.

Sample Two was collected on the West Wall by 1W1601 West. The results indicated 25,116,000 Counts per Swab – 96 % (13,800,000 Counts) was *Aspergillus / Penicillium*-like, 40 % (10,120,000 Counts) was *Stachybotrys*, and 5 % (1,196,000 Counts) was *Pithomyces*.

Sample Three was collected on the North Wall by 1W1601 North. The results indicated 8,774,500 Counts per Swab – 79 % (6,900,000 Counts) was *Stachybotrys*, 19 % (1,702,000 Counts) was *Aspergillus / Penicillium*-like, and 2 % (172,500 Counts) was *Alternaria*.

Sample Four was collected on the East Wall by 1W1601 East. The results indicated 3,392,500 Counts per Swab – 76 % 2,576,000 *Chaetomium*, 15 % (506,000 Counts) was *Stachybotrys*, 5 % (172,500 Counts) *Alternaria*, and 4 % (138,000 Counts) was *Aspergillus* / *Penicillium*-like.

**AIR-O-CELL RESULTS:**

Outside Building 197 the air contained 573 Counts per Cubic Meter of Air – 81 % *Cladosporium*, 12 % *Amerospores*, and 2 % each of *Arthrinium*, *Chaetomium*, and *Smuts*.

Inside, the highest level was the East Area by the Wall at 1,227 Counts per Cubic Meter, or a little over twice as high as the outside air, consisting of 82 % *Smuts*, 12 % *Aspergillus* / *Penicillium*-like, and 3 % each of *Arthrinium* and *Chaetomium*.

The second air sample inside was collected on the West side of the Area by the Door, and revealed 547 Counts. The predominant species found here was *Aspergillus* / *Penicillium*-like at 41 % of the sample, followed by 34 % *Stachybotrys*, 12 % *Amerospores*, 7 % *Chaetomium*, and 5 % *Arthrinium*.

**BULK RESULT:**

A sample of sheetrock was also collected by 1W1601 and submitted for analysis. The lab found a very high 30,838,400 Counts per Gram of material – 89 % of which was *Stachybotrys*, 10 % *Aspergillus* / *Penicillium*-like, and < 1 % each of *Alternaria* and *Cladosporium*.

Due to the presence of airborne *Stachybotrys* in the building and the numbers of *Stachybotrys*-containing samples, the area should be isolated (sealed in plastic or other appropriate containment) until proper remediation can be performed. Unfortunately, personnel may require temporary relocation as well.

The quantification and speciation of mold appears to indicate the presence of moisture for some time; remediation appears to be fairly extensive and detailed – full containment, negative pressure, full PPE, etc).

A full report will follow shortly after receipt of final lab data.